

MSI-28 DIV

IN THE ABSTRACT

Please delete the present ABSTRACT and replace with the following new ABSTRACT:

B⁷
A method of forming a resonance transducer comprises providing a piezoelectric body having a first acoustic impedance and a propagation medium having a second acoustic impedance. A matching layer is coupled between the piezoelectric body and the propagation medium. The body vibrating at the resonance frequency has a resonance impedance less than the second acoustic impedance of the propagation medium. The matching layer has a third acoustic impedance less than the second acoustic impedance for providing a high output or high sensitivity signal when operated at the resonance frequency.